

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number
WO 2004/091569 A2

(51) International Patent Classification⁷: **A61K 7/48**,
35/78, A01N 65/00, C11D 3/382

(21) International Application Number:
PCT/IL2004/000329

(22) International Filing Date: 15 April 2004 (15.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/462,740 15 April 2003 (15.04.2003) US

(71) Applicant (for all designated States except US): **CIT-
RAMED LTD.** [IL/IL]; 7 Ha'Ofe St. Industrial Zone,
IL-78780 Ashkelon (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MEDVEDEV, Anna**
[IL/IL]; Haaliya 79/18, IL-84742 Beer Sheva (IL). **KAT,**
Efrat [IL/IL]; Boyer 7, IL-69127 Tel Aviv (IL).

(74) Agent: **REINHOLD COHN AND PARTNERS; P.O.**
Box 4060, 61040 Tel Aviv (IL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **ACTIVATED CITRUS PEEL EXTRACT**

(57) Abstract: The present invention relates to composition comprising an activated citrus peel extract (ACPE) prepared by an activation method which includes exposure of citrus peels to at least one plant or animal pathogen. The ACPE comprises at least one of the following: oligosaccharides, short peptides, flavonoid glycosides, fatty acids, and triglycerides. Compositions comprising the ACPE have been shown useful as dermatological compositions for the treatment of various skin conditions. They have also been shown to be useful in preserving food, beverages and cosmetics.

WO 2004/091569 A2